

PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM	Bo
Search PubMed	<input checked="" type="checkbox"/> for amyloid AND synuclein AND fibril						Go	Clear
<input checked="" type="checkbox"/> Limits		Preview/Index		History		Clipboard		Details

Limits: **only items with abstracts, English**

Display	Summary	<input type="checkbox"/>	Sort	<input type="checkbox"/>	Save	Text	Clip Add	Order
Show: 200	<input type="checkbox"/>	Items 1-8 of 8				One page.		

Entrez PubMed

PubMed Services

Related Resources

- ☐ **1:** [Lee HJ, Lee SJ.](#) Related Articles, Links
Characterization of cytoplasmic alpha-synuclein aggregates: Fibril formation is tightly linked to the inclusion forming process in cells.
J Biol Chem. 2002 Sep 25 [epub ahead of print]
PMID: 12351642 [PubMed - as supplied by publisher]
- ☐ **2:** [Shtilerman MD, Ding TT, Lansbury PT Jr.](#) Related Articles, Links
Molecular crowding accelerates fibrillization of alpha-synuclein: could an increase in the cytoplasmic protein concentration induce Parkinson's disease?
Biochemistry. 2002 Mar 26;41(12):3855-60.
PMID: 11900526 [PubMed - indexed for MEDLINE]
- ☐ **3:** [Tabner BJ, Turnbull S, El-Agnaf O, Allsop D.](#) Related Articles, Links
Production of reactive oxygen species from aggregating proteins implicated in Alzheimer's disease, Parkinson's disease and other neurodegenerative diseases.
Curr Top Med Chem. 2001 Dec;1(6):507-17. Review.
PMID: 11895127 [PubMed - indexed for MEDLINE]
- ☐ **4:** [Cohlberg JA, Li J, Uversky VN, Fink AL.](#) Related Articles, Links
Heparin and other glycosaminoglycans stimulate the formation of amyloid fibrils from alpha-synuclein in vitro.
Biochemistry. 2002 Feb 5;41(5):1502-11.
PMID: 11814343 [PubMed - indexed for MEDLINE]
- ☐ **5:** [Conway KA, Harper JD, Lansbury PT Jr.](#) Related Articles, Links
Fibrils formed in vitro from alpha-synuclein and two mutant forms linked to Parkinson's disease are typical amyloid.
Biochemistry. 2000 Mar 14;39(10):2552-63.
PMID: 10704204 [PubMed - indexed for MEDLINE]
- ☐ **6:** [Conway KA, Lee SJ, Rochet JC, Ding TT, Williamson RE, Lansbury PT Jr.](#) Related Articles, Links
Acceleration of oligomerization, not fibrillization, is a shared property of both alpha-synuclein mutations linked to early-onset Parkinson's disease:

implications for pathogenesis and therapy.
Proc Natl Acad Sci U S A. 2000 Jan 18;97(2):571-6.
PMID: 10639120 [PubMed - indexed for MEDLINE]

☐ 7: [Hashimoto M, Masliah E.](#)

[Related Articles, Links](#)

Alpha-synuclein in Lewy body disease and Alzheimer's disease.
Brain Pathol. 1999 Oct;9(4):707-20. Review.
PMID: 10517509 [PubMed - indexed for MEDLINE]

☐ 8: [Liu Y, Schubert D.](#)

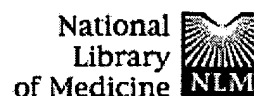
[Related Articles, Links](#)

Steroid hormones block amyloid fibril-induced
3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide (MTT)
formazan exocytosis: relationship to neurotoxicity.
J Neurochem. 1998 Dec;71(6):2322-9.
PMID: 9832130 [PubMed - indexed for MEDLINE]

Display	Summary	<input type="checkbox"/>	Sort	<input type="checkbox"/>	Save	Text	Clip Add	Order
Show:	200	<input type="checkbox"/>	Items 1-8 of 8				One page.	

[Write to the Help Desk](#)
[NCBI](#) | [NLM](#) | [NIH](#)
[Department of Health & Human Services](#)
[Freedom of Information Act](#) | [Disclaimer](#)

1080-pc-fmax-gau Oct 31 2002 15:09:13



PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	MIM	Bc
Search PubMed	<input checked="" type="checkbox"/> for	synuclein AND amyloid				Go	Clear	
<input checked="" type="checkbox"/> Limits		Preview/Index		History		Clipboard		Details

Limits: **only items with abstracts, English**

Display	Summary	<input type="checkbox"/>	Sort	<input type="checkbox"/>	Save	Text	Clip Add	Order
Show: 200		<input type="checkbox"/>	Items 1-129 of 129					

Entrez PubMed

PubMed Services

- ☐ 1: Yokota O, Terada S, Ishizu H, Ujike H, Ishihara T, Nakashima H, Yasuda M, Kitamura Y, U K, Checler F, Kuroda S.

NACP/alpha-Synuclein, NAC, and beta-amyloid pathology of familial Alzheimer E184D presenilin-1 mutation: a clinicopathological study of two autopsy cases. *Acta Neuropathol (Berl)*. 2002 Dec;104(6):637-48.
PMID: 12410385 [PubMed - in process]

- ☐ 2: Mattson MP, Duan W, Chan SL, Cheng A, Haughey N, Gary DS, Guo Z, Lee J, Furukawa K

Neuroprotective and neurorestorative signal transduction mechanisms in brain genes, diet and behavior. *Neurobiol Aging*. 2002 Sep;23(5):695.
PMID: 12392775 [PubMed - in process]

Related Resources

- ☐ 3: Gosavi N, Lee HJ, Lee JS, Patel S, Lee SJ.

Golgi fragmentation occurs in the cells with prefibrillar alpha-synuclein aggregation of fibrillar inclusion. *J Biol Chem*. 2002 Sep 25 [epub ahead of print]
PMID: 12351643 [PubMed - as supplied by publisher]

- ☐ 4: Lee HJ, Lee SJ.

Characterization of cytoplasmic alpha-synuclein aggregates: Fibril formation inclusion forming process in cells. *J Biol Chem*. 2002 Sep 25 [epub ahead of print]
PMID: 12351642 [PubMed - as supplied by publisher]

- ☐ 5: Anguiano M, Nowak RJ, Lansbury PT Jr.

Prototypic islet amyloid polypeptide permeabilizes synthetic vesicles by a mechanism that may be relevant to type II diabetes. *Biochemistry*. 2002 Sep 24;41(38):11338-43.
PMID: 12234175 [PubMed - indexed for MEDLINE]

- ☐ 6: Krygowska-Wajs A, Adamek D, Szczudlik A, Kaluza J.

An attempt at evaluating borderline conditions of Parkinson's disease and its basis of clinical and morphological correlation. *Folia Neuropathol*. 2002;40(2):57-66.
PMID: 12230257 [PubMed - indexed for MEDLINE]

- ☐ **7:** Suh YH, Checler F.
Amyloid Precursor Protein, Presenilins, and alpha-Synuclein: Molecular Path Pharmacological Applications in Alzheimer's Disease.
Pharmacol Rev. 2002 Sep;54(3):469-525.
PMID: 12223532 [PubMed - in process]
- ☐ **8:** Xu G, Gonzales V, Borchelt DR.
Rapid detection of protein aggregates in the brains of Alzheimer patients and of amyloidosis.
Alzheimer Dis Assoc Disord. 2002 Jul-Sep;16(3):191-5.
PMID: 12218651 [PubMed - in process]
- ☐ **9:** Masliah E.
Recent advances in the understanding of the role of synaptic proteins in Alzheimer neurodegenerative disorders.
J Alzheimers Dis. 2001 Feb;3(1):121-129.
PMID: 12214081 [PubMed - as supplied by publisher]
- ☐ **10:** Xia Y, Saitoh T, Ueda K, Tanaka S, Chen X, Hashimoto M, Hsu L, Conrad C, Sundsmo M, Yoshimoto M, Thal L, Katzman R, Masliah E.
Characterization of the human alpha-synuclein gene: Genomic structure, transcription promoter region and polymorphisms.
J Alzheimers Dis. 2001 Oct;3(5):485-494.
PMID: 12214035 [PubMed - as supplied by publisher]
- ☐ **11:** Hossain S, Alim A, Takeda K, Kaji H, Shinoda T, Ueda K.
Limited proteolysis of NACP/alpha-synuclein.
J Alzheimers Dis. 2001 Dec;3(6):577-584.
PMID: 12214024 [PubMed - as supplied by publisher]
- ☐ **12:** Yokota O, Terada S, Ishizu H, Tsuchiya K, Kitamura Y, Ikeda K, Ueda K, Kuroda S.
NACP/alpha-synuclein immunoreactivity in diffuse neurofibrillary tangles with Acta Neuropathol (Berl). 2002 Oct;104(4):333-41.
PMID: 12200618 [PubMed - in process]
- ☐ **13:** El-Agnaf OM, Irvine GB.
Aggregation and neurotoxicity of alpha-synuclein and related peptides.
Biochem Soc Trans. 2002;30(4):559-65.
PMID: 12196137 [PubMed - in process]
- ☐ **14:** Eakin CM, Knight JD, Morgan CJ, Gelfand MA, Miranker AD.
Formation of a copper specific binding site in non-native states of beta-2-micro Biochemistry. 2002 Aug 27;41(34):10646-56.
PMID: 12186550 [PubMed - indexed for MEDLINE]
- ☐ **15:** Kovacs GG, Zerbi P, Voigtlander T, Strohschneider M, Trabattoni G, Hainfellner JA, Budl
The prion protein in human neurodegenerative disorders.
Neurosci Lett. 2002 Sep 6;329(3):269-72.
PMID: 12183028 [PubMed - indexed for MEDLINE]

- ☐ **16:** Poirier MA, Li H, Macosko J, Cai S, Amzel M, Ross CA.
Huntingtin spheroids and protofibrils as precursors in polyglutamine fibriliza
J Biol Chem. 2002 Oct 25;277(43):41032-7.
PMID: 12171927 [PubMed - in process]
- ☐ **17:** Tanaka M, Machida Y, Nishikawa Y, Akagi T, Morishima I, Hashikawa T, Fujisawa T, Ni N.
The effects of aggregation-inducing motifs on amyloid formation of model p
neurodegenerative diseases.
Biochemistry. 2002 Aug 13;41(32):10277-86.
PMID: 12162743 [PubMed - indexed for MEDLINE]
- ☐ **18:** Lashuel HA, Hartley D, Petre BM, Walz T, Lansbury PT Jr.
Neurodegenerative disease: amyloid pores from pathogenic mutations.
Nature. 2002 Jul 18;418(6895):291.
PMID: 12124613 [PubMed - indexed for MEDLINE]
- ☐ **19:** Li HT, Du HN, Tang L, Hu J, Hu HY.
Structural transformation and aggregation of human alpha-synuclein in trifluoromethane
component sequence is essential and beta-sheet formation is prerequisite to a
Biopolymers. 2002 Aug 5;64(4):221-6.
PMID: 12115139 [PubMed - indexed for MEDLINE]
- ☐ **20:** Mattson MP, Chan SL, Duan W.
Modification of brain aging and neurodegenerative disorders by genes, diet, and
Physiol Rev. 2002 Jul;82(3):637-72. Review.
PMID: 12087131 [PubMed - indexed for MEDLINE]
- ☐ **21:** Tamo W, Imaizumi T, Tanji K, Yoshida H, Mori F, Yoshimoto M, Takahashi H, Fukuda I, Wakabayashi K, Satoh K.
Expression of alpha-synuclein, the precursor of non-amyloid beta component
amyloid, in human cerebral blood vessels.
Neurosci Lett. 2002 Jun 21;326(1):5-8.
PMID: 12052525 [PubMed - indexed for MEDLINE]
- ☐ **22:** Hatters DM, Howlett GJ.
The structural basis for amyloid formation by plasma apolipoproteins: a review
Eur Biophys J. 2002 Mar;31(1):2-8.
PMID: 12046894 [PubMed - in process]
- ☐ **23:** Tabner BJ, Turnbull S, El-Agnaf OM, Allsop D.
Formation of hydrogen peroxide and hydroxyl radicals from Abeta and alpha-synuclein: a
mechanism of cell death in Alzheimer's disease and Parkinson's disease(1,2).
Free Radic Biol Med. 2002 Jun 1;32(11):1076-83.
PMID: 12031892 [PubMed - in process]
- ☐ **24:** Forman MS, Schmidt ML, Kasturi S, Perl DP, Lee VM, Trojanowski JQ.
Tau and alpha-synuclein pathology in amygdala of Parkinsonism-dementia complex
Am J Pathol. 2002 May;160(5):1725-31.
PMID: 12000724 [PubMed - indexed for MEDLINE]

- ☐ **25:** Perutz MF, Finch JT, Berriman J, Lesk A.
Amyloid fibers are water-filled nanotubes.
Proc Natl Acad Sci U S A. 2002 Apr 16;99(8):5591-5.
PMID: 11960014 [PubMed - indexed for MEDLINE]
- ☐ **26:** Kim KS, Choi SY, Kwon HY, Won MH, Kang TC, Kang JH.
Aggregation of alpha-synuclein induced by the Cu,Zn-superoxide dismutase :
system.
Free Radic Biol Med. 2002 Mar 15;32(6):544-50.
PMID: 11958955 [PubMed - indexed for MEDLINE]
- ☐ **27:** Haik S, Privat N, Adjou KT, Sazdovitch V, Dormont D, Duyckaerts C, Hauw JJ.
Alpha-synuclein-immunoreactive deposits in human and animal prion diseases.
Acta Neuropathol (Berl). 2002 May;103(5):516-20.
PMID: 11935269 [PubMed - indexed for MEDLINE]
- ☐ **28:** Stephan A, Davis S, Salin H, Dumas S, Mallet J, Laroche S.
Age-dependent differential regulation of genes encoding APP and alpha-syn:
synaptic plasticity.
Hippocampus. 2002;12(1):55-62.
PMID: 11918289 [PubMed - indexed for MEDLINE]
- ☐ **29:** Shtilerman MD, Ding TT, Lansbury PT Jr.
Molecular crowding accelerates fibrillization of alpha-synuclein: could an inc:
protein concentration induce Parkinson's disease?
Biochemistry. 2002 Mar 26;41(12):3855-60.
PMID: 11900526 [PubMed - indexed for MEDLINE]
- ☐ **30:** Tabner BJ, Turnbull S, El-Agnaf O, Allsop D.
Production of reactive oxygen species from aggregating proteins implicated i
Parkinson's disease and other neurodegenerative diseases.
Curr Top Med Chem. 2001 Dec;1(6):507-17. Review.
PMID: 11895127 [PubMed - indexed for MEDLINE]
- ☐ **31:** Kurosinski P, Guggisberg M, Gotz J.
Alzheimer's and Parkinson's disease--overlapping or synergistic pathologies?
Trends Mol Med. 2002 Jan;8(1):3-5.
PMID: 11796255 [PubMed - indexed for MEDLINE]
- ☐ **32:** Kotzbauer PT, Trojanowsk JQ, Lee VM.
Lewy body pathology in Alzheimer's disease.
J Mol Neurosci. 2001 Oct;17(2):225-32. Review.
PMID: 11816795 [PubMed - indexed for MEDLINE]
- ☐ **33:** Cohlberg JA, Li J, Uversky VN, Fink AL.
Heparin and other glycosaminoglycans stimulate the formation of amyloid fil
in vitro.
Biochemistry. 2002 Feb 5;41(5):1502-11.
PMID: 11814343 [PubMed - indexed for MEDLINE]

- ☐ **34:** Rub U, Del Tredici K, Schultz C, Ghebremedhin E, de Vos RA, Jansen Steur E, Braak H.
Parkinson's disease: the thalamic components of the limbic loop are severely alpha-synuclein immunopositive inclusion body pathology.
Neurobiol Aging. 2002 Mar-Apr;23(2):245-54.
PMID: 11804710 [PubMed - indexed for MEDLINE]
- ☐ **35:** Lovestone S, McLoughlin DM.
Protein aggregates and dementia: is there a common toxicity?
J Neurol Neurosurg Psychiatry. 2002 Feb;72(2):152-61. Review.
PMID: 11796764 [PubMed - indexed for MEDLINE]
- ☐ **36:** Li G, Zhou P, Shao Z, Xie X, Chen X, Wang H, Chunyu L, Yu T.
The natural silk spinning process. A nucleation-dependent aggregation mech:
Eur J Biochem. 2001 Dec;268(24):6600-6.
PMID: 11737214 [PubMed - indexed for MEDLINE]
- ☐ **37:** Ramsden DB, Parsons RB, Ho SL, Waring RH.
The aetiology of idiopathic Parkinson's disease.
Mol Pathol. 2001 Dec;54(6):369-80. Review.
PMID: 11724911 [PubMed - indexed for MEDLINE]
- ☐ **38:** Lee HJ, Shin SY, Choi C, Lee YH, Lee SJ.
Formation and removal of alpha-synuclein aggregates in cells exposed to mit
J Biol Chem. 2002 Feb 15;277(7):5411-7.
PMID: 11724769 [PubMed - indexed for MEDLINE]
- ☐ **39:** Szpak GM, Lewandowska E, Lechowicz W, Bertrand E, Wierzb-Bobrowicz T, Gwiazda I, Pasennik E, Kosno-Kruszewska E, Lipczynska-Lojkowska W, Bochynska A, Fiszer U.
Lewy body variant of Alzheimer's disease and Alzheimer's disease: a compar immunohistochemical study.
Folia Neuropathol. 2001;39(2):63-71.
PMID: 11680637 [PubMed - indexed for MEDLINE]
- ☐ **40:** Maslah E, Rockenstein E, Veinbergs I, Sagara Y, Mallory M, Hashimoto M, Mucke L.
beta-amyloid peptides enhance alpha-synuclein accumulation and neuronal d mouse model linking Alzheimer's disease and Parkinson's disease.
Proc Natl Acad Sci U S A. 2001 Oct 9;98(21):12245-50.
PMID: 11572944 [PubMed - indexed for MEDLINE]
- ☐ **41:** Schmidt ML, Schuck T, Sheridan S, Kung MP, Kung H, Zhuang ZP, Bergeron C, Lamarch Skovronsky D, Giasson BI, Lee VM, Trojanowski JQ.
The fluorescent Congo red derivative, (trans, trans)-1-bromo-2,5-bis-(3-hydroxycarbonyl-4-hydroxy)styrylbenzene (BSB), sheet structures in postmortem human neurodegenerative disease brains.
Am J Pathol. 2001 Sep;159(3):937-43.
PMID: 11549586 [PubMed - indexed for MEDLINE]
- ☐ **42:** Tomidokoro Y, Harigaya Y, Matsubara E, Ikeda M, Kawarabayashi T, Shirao T, Ishiguro I, Okamoto K, Younkin SG, Shoji M.
Brain Abeta amyloidosis in APPsw mice induces accumulation of presenilin- J Pathol. 2001 Aug;194(4):500-6.

PMID: 11523060 [PubMed - indexed for MEDLINE]

☐ **43:** Link CD.

Transgenic invertebrate models of age-associated neurodegenerative diseases
Mech Ageing Dev. 2001 Sep 30;122(14):1639-49. Review.
PMID: 11511401 [PubMed - indexed for MEDLINE]

☐ **44:** Brat DJ, Gearing M, Goldthwaite PT, Wainer BH, Burger PC.

Tau-associated neuropathology in ganglion cell tumours increases with patient unrelated to ApoE genotype.
Neuropathol Appl Neurobiol. 2001 Jun;27(3):197-205.
PMID: 11489139 [PubMed - indexed for MEDLINE]

☐ **45:** Bodles AM, Guthrie DJ, Greer B, Irvine GB.

Identification of the region of non-Abeta component (NAC) of Alzheimer's disease for its aggregation and toxicity.
J Neurochem. 2001 Jul;78(2):384-95.
PMID: 11461974 [PubMed - indexed for MEDLINE]

☐ **46:** Kim YS, Lee D, Lee EK, Sung JY, Chung KC, Kim J, Paik SR.

Multiple ligand interaction of alpha-synuclein produced various forms of protein in the presence of Abeta25-35, copper, and eosin.
Brain Res. 2001 Jul 20;908(1):93-8.
PMID: 11457435 [PubMed - indexed for MEDLINE]

☐ **47:** Goedert M.

Parkinson's disease and other alpha-synucleinopathies.
Clin Chem Lab Med. 2001 Apr;39(4):308-12. Review.
PMID: 11388653 [PubMed - indexed for MEDLINE]

☐ **48:** Goedert M.

The significance of tau and alpha-synuclein inclusions in neurodegenerative diseases.
Curr Opin Genet Dev. 2001 Jun;11(3):343-51. Review.
PMID: 11377973 [PubMed - indexed for MEDLINE]

☐ **49:** Terai K, Iwai A, Kawabata S, Tasaki Y, Watanabe T, Miyata K, Yamaguchi T.

beta-amyloid deposits in transgenic mice expressing human beta-amyloid protein have the same characteristics as those in Alzheimer's disease.
Neuroscience. 2001;104(2):299-310.
PMID: 11377835 [PubMed - indexed for MEDLINE]

☐ **50:** Lee FJ, Liu F, Pristupa ZB, Niznik HB.

Direct binding and functional coupling of alpha-synuclein to the dopamine transporter mediates dopamine-induced apoptosis.
FASEB J. 2001 Apr;15(6):916-26.
PMID: 11292651 [PubMed - indexed for MEDLINE]

☐ **51:** Lucking CB, Brice A.

Alpha-synuclein and Parkinson's disease.
Cell Mol Life Sci. 2000 Dec;57(13-14):1894-908. Review.

Rel:

PMID: 11215516 [PubMed - indexed for MEDLINE]

- ☐ **52:** Matsubara M, Yamagata H, Kamino K, Nomura T, Kohara K, Kondo I, Miki T. Rel:
Genetic association between Alzheimer disease and the alpha-synuclein gene
Dement Geriatr Cogn Disord. 2001 Mar-Apr;12(2):106-9.
PMID: 11173882 [PubMed - indexed for MEDLINE]

- ☐ **53:** Touchman JW, Dehejia A, Chiba-Falek O, Cabin DE, Schwartz JR, Orrison BM, Polymeropoulos MH, Nussbaum RL. Related Articles, Nucleotide, Protein, C
Human and mouse alpha-synuclein genes: comparative genomic sequence and a novel gene regulatory element.
Genome Res. 2001 Jan;11(1):78-86.
PMID: 11156617 [PubMed - indexed for MEDLINE]

- ☐ **54:** Hu HY, Li Q, Cheng HC, Du HN. Rel:
beta-sheet structure formation of proteins in solid state as revealed by circular dichroism.
Biopolymers. 2001;62(1):15-21.
PMID: 11135188 [PubMed - indexed for MEDLINE]

- ☐ **55:** Arnold SE, Han LY, Clark CM, Grossman M, Trojanowski JQ. Rel:
Quantitative neurohistological features of frontotemporal degeneration.
Neurobiol Aging. 2000 Nov-Dec;21(6):913-9.
PMID: 11124442 [PubMed - indexed for MEDLINE]

- ☐ **56:** Wirths O, Weickert S, Majtenyi K, Havas L, Kahle PJ, Okochi M, Haass C, Multhaup G, Beyreuther K, Bayer TA. Rel:
Lewy body variant of Alzheimer's disease: alpha-synuclein in dystrophic neurofibrillary tangles.
Neuroreport. 2000 Nov 27;11(17):3737-41.
PMID: 11117482 [PubMed - indexed for MEDLINE]

- ☐ **57:** Berg EA, Johnson RJ, Leeman SE, Boyd N, Kimerer L, Fine RE. Rel:
Isolation and characterization of substance P-containing dense core vesicles from the nucleus accumbens.
J Neurosci Res. 2000 Dec 15;62(6):830-9.
PMID: 11107168 [PubMed - indexed for MEDLINE]

- ☐ **58:** Rochet JC, Conway KA, Lansbury PT Jr. Related Articles, C
Inhibition of fibrillization and accumulation of prefibrillar oligomers in mixed alpha-synuclein.
Biochemistry. 2000 Sep 5;39(35):10619-26.
PMID: 10978144 [PubMed - indexed for MEDLINE]

- ☐ **59:** Jellinger KA. Rel:
Morphological substrates of mental dysfunction in Lewy body disease: an update.
J Neural Transm Suppl. 2000;59:185-212.
PMID: 10961431 [PubMed - indexed for MEDLINE]

- ☐ **60:** Martin GM. Rel:
Molecular mechanisms of late life dementias.
Exp Gerontol. 2000 Jul;35(4):439-43. Review.

PMID: 10959031 [PubMed - indexed for MEDLINE]

- ☐ **61:** El-Agnaf OM, Irvine GB. Related Articles, C
Review: formation and properties of amyloid-like fibrils derived from alpha-proteins.
J Struct Biol. 2000 Jun;130(2-3):300-9. Review.
PMID: 10940234 [PubMed - indexed for MEDLINE]
- ☐ **62:** Mukaetova-Ladinska EB, Garcia-Siera F, Hurt J, Gertz HJ, Xuereb JH, Hills R, Brayne C, Huppert FA, Paykel ES, McGee M, Jakes R, Honer WG, Harrington CR, Wischik CM. Rel:
Staging of cytoskeletal and beta-amyloid changes in human isocortex reveals response during progression of Alzheimer's disease.
Am J Pathol. 2000 Aug;157(2):623-36.
PMID: 10934165 [PubMed - indexed for MEDLINE]
- ☐ **63:** Galvin JE, Giasson B, Hurtig HI, Lee VM, Trojanowski JQ. Rel:
Neurodegeneration with brain iron accumulation, type 1 is characterized by a gamma-synuclein neuropathology.
Am J Pathol. 2000 Aug;157(2):361-8.
PMID: 10934140 [PubMed - indexed for MEDLINE]
- ☐ **64:** Johnson WG. Rel:
Late-onset neurodegenerative diseases--the role of protein insolubility.
J Anat. 2000 May;196 (Pt 4):609-16. Review.
PMID: 10923991 [PubMed - indexed for MEDLINE]
- ☐ **65:** Askanas V, Engel WK, Alvarez RB, McFerrin J, Broccolini A. Related Articles, C
Novel immunolocalization of alpha-synuclein in human muscle of inclusion-regenerating and necrotic muscle fibers, and at neuromuscular junctions.
J Neuropathol Exp Neurol. 2000 Jul;59(7):592-8.
PMID: 10901230 [PubMed - indexed for MEDLINE]
- ☐ **66:** Iwai A. Related Articles, C
Properties of NACP/alpha-synuclein and its role in Alzheimer's disease.
Biochim Biophys Acta. 2000 Jul 26;1502(1):95-109. Review.
PMID: 10899435 [PubMed - indexed for MEDLINE]
- ☐ **67:** Mukaetova-Ladinska EB, Hurt J, Jakes R, Xuereb J, Honer WG, Wischik CM. Rel:
Alpha-synuclein inclusions in Alzheimer and Lewy body diseases.
J Neuropathol Exp Neurol. 2000 May;59(5):408-17.
PMID: 10888371 [PubMed - indexed for MEDLINE]
- ☐ **68:** Duda JE, Lee VM, Trojanowski JQ. Related Articles, C
Neuropathology of synuclein aggregates.
J Neurosci Res. 2000 Jul 15;61(2):121-7. Review.
PMID: 10878583 [PubMed - indexed for MEDLINE]
- ☐ **69:** Campbell BC, Li QX, Culvenor JG, Jakala P, Cappai R, Beyreuther K, Masters CL, McLean CA. Rel:
Accumulation of insoluble alpha-synuclein in dementia with Lewy bodies.

Neurobiol Dis. 2000 Jun;7(3):192-200.
PMID: 10860784 [PubMed - indexed for MEDLINE]

- ☐ 70: Hurtig HJ, Trojanowski JQ, Galvin J, Ewbank D, Schmidt ML, Lee VM, Clark CM, Rel: Glosser G, Stern MB, Gollomp SM, Arnold SE.

Alpha-synuclein cortical Lewy bodies correlate with dementia in Parkinson's
Neurology. 2000 May 23;54(10):1916-21.

PMID: 10822429 [PubMed - indexed for MEDLINE]

- ☐ 71: Kruger R, Muller T, Riess O. Related Articles, C

Involvement of alpha-synuclein in Parkinson's disease and other neurodegenerative
J Neural Transm. 2000;107(1):31-40. Review.

PMID: 10809401 [PubMed - indexed for MEDLINE]

- ☐ 72: Alafuzoff I, Helisalmi S, Heinonen EH, Reinikainen K, Hallikainen M, Soininen H, Rel: Koivisto K.

Selegiline treatment and the extent of degenerative changes in brain tissue of
disease.

Eur J Clin Pharmacol. 2000 Feb-Mar;55(11-12):815-9.

PMID: 10805059 [PubMed - indexed for MEDLINE]

- ☐ 73: Van Everbroeck B, Pals P, Dziedzic T, Dom R, Godfraind C, Sciot R, Brucher JM, Rel: Martin JJ, Cras P.

Retrospective study of Creutzfeldt-Jakob disease in Belgium: neuropathological
Acta Neuropathol (Berl). 2000 Apr;99(4):358-64.

PMID: 10787033 [PubMed - indexed for MEDLINE]

- ☐ 74: Serpell LC, Berriman J, Jakes R, Goedert M, Crowther RA. Related Articles, Free in PMC, C

Fiber diffraction of synthetic alpha-synuclein filaments shows amyloid-like
Proc Natl Acad Sci U S A. 2000 Apr 25;97(9):4897-902.

PMID: 10781096 [PubMed - indexed for MEDLINE]

- ☐ 75: Bodles AM, Guthrie DJ, Harriott P, Campbell P, Irvine GB. Rel:

Toxicity of non-amyloid component of Alzheimer's disease amyloid, and N-terminus
correlates to formation of beta-sheet structure and fibrils.

Eur J Biochem. 2000 Apr;267(8):2186-94.

PMID: 10759841 [PubMed - indexed for MEDLINE]

- ☐ 76: Conway KA, Harper JD, Lansbury PT Jr. Related Articles, C

Fibrils formed in vitro from alpha-synuclein and two mutant forms linked to
typical amyloid.

Biochemistry. 2000 Mar 14;39(10):2552-63.

PMID: 10704204 [PubMed - indexed for MEDLINE]

- ☐ 77: Levey AI. Rel:

Molecules of the brain.

Hosp Pract (Off Ed). 2000 Feb 15;35(2):41-8, 51-4. Review.

PMID: 10689389 [PubMed - indexed for MEDLINE]

- ☐ 78: Wakabayashi K, Fukushima T, Koide R, Horikawa Y, Hasegawa M, Watanabe Y, Rel: Noda T, Eguchi I, Morita T, Yoshimoto M, Iwatsubo T, Takahashi H.

Juvenile-onset generalized neuroaxonal dystrophy (Hallervorden-Spatz disease): neurofibrillary and lewy body pathology.
Acta Neuropathol (Berl). 2000 Mar;99(3):331-6.
PMID: 10663979 [PubMed - indexed for MEDLINE]

- ☐ **79:** Takeda A, Hashimoto M, Mallory M, Sundsumo M, Hansen L, Masliah E. Rel:
C-terminal alpha-synuclein immunoreactivity in structures other than Lewy body disorders.
Acta Neuropathol (Berl). 2000 Mar;99(3):296-304.
PMID: 10663973 [PubMed - indexed for MEDLINE]
- ☐ **80:** Wakabayashi K, Hayashi S, Yoshimoto M, Kudo H, Takahashi H. Rel:
NACP/alpha-synuclein-positive filamentous inclusions in astrocytes and oligodendrocytes in Parkinson's disease brains.
Acta Neuropathol (Berl). 2000 Jan;99(1):14-20.
PMID: 10651022 [PubMed - indexed for MEDLINE]
- ☐ **81:** Yang F, Ueda K, Chen P, Ashe KH, Cole GM. Rel:
Plaque-associated alpha-synuclein (NACP) pathology in aged transgenic mice expressing wild-type precursor protein.
Brain Res. 2000 Jan 24;853(2):381-3.
PMID: 10640638 [PubMed - indexed for MEDLINE]
- ☐ **82:** Conway KA, Lee SJ, Rochet JC, Ding TT, Williamson RE, Lansbury PT Jr. Related Articles, OMIM, Free in PMC, C
Acceleration of oligomerization, not fibrillization, is a shared property of both familial and sporadic mutations linked to early-onset Parkinson's disease: implications for pathogenesis.
Proc Natl Acad Sci U S A. 2000 Jan 18;97(2):571-6.
PMID: 10639120 [PubMed - indexed for MEDLINE]
- ☐ **83:** Wakabayashi K, Yoshimoto M, Fukushima T, Koide R, Horikawa Y, Morita T, Takahashi H. Rel:
Widespread occurrence of alpha-synuclein/NACP-immunoreactive neuronal inclusions in adult-onset Hallervorden-Spatz disease with Lewy bodies.
Neuropathol Appl Neurobiol. 1999 Oct;25(5):363-8.
PMID: 10564525 [PubMed - indexed for MEDLINE]
- ☐ **84:** Arima K, Hirai S, Sunohara N, Aoto K, Izumiyama Y, Ueda K, Ikeda K, Kawai M. Rel:
Cellular co-localization of phosphorylated tau- and NACP/alpha-synuclein-immunoreactive in sporadic Parkinson's disease and in dementia with Lewy bodies.
Brain Res. 1999 Oct 2;843(1-2):53-61.
PMID: 10528110 [PubMed - indexed for MEDLINE]
- ☐ **85:** Hashimoto M, Masliah E. Related Articles, C
Alpha-synuclein in Lewy body disease and Alzheimer's disease.
Brain Pathol. 1999 Oct;9(4):707-20. Review.
PMID: 10517509 [PubMed - indexed for MEDLINE]
- ☐ **86:** Culvenor JG, McLean CA, Cutt S, Campbell BC, Maher F, Jakala P, Hartmann T, Beyreuther K, Masters CL, Li QX. Rel:
Non-Abeta component of Alzheimer's disease amyloid (NAC) revisited. NAC

not associated with Abeta amyloid.

Am J Pathol. 1999 Oct;155(4):1173-81.

PMID: 10514400 [PubMed - indexed for MEDLINE]

- ☐ **87:** Hashimoto M, Takeda A, Hsu LJ, Takenouchi T, Masliah E. Rel:

Role of cytochrome c as a stimulator of alpha-synuclein aggregation in Lewy
J Biol Chem. 1999 Oct 8;274(41):28849-52.

PMID: 10506125 [PubMed - indexed for MEDLINE]

- ☐ **88:** Bayer TA, Jakala P, Hartmann T, Havas L, McLean C, Culvenor JG, Li QX, Masters CL, Falkai P, Beyreuther K. Rel:

Alpha-synuclein accumulates in Lewy bodies in Parkinson's disease and dem
not in Alzheimer's disease beta-amyloid plaque cores.

Neurosci Lett. 1999 May 14;266(3):213-6.

PMID: 10465711 [PubMed - indexed for MEDLINE]

- ☐ **89:** Paik SR, Shin HJ, Lee JH, Chang CS, Kim J. Rel:

Copper(II)-induced self-oligomerization of alpha-synuclein.

Biochem J. 1999 Jun 15;340 (Pt 3):821-8.

PMID: 10359669 [PubMed - indexed for MEDLINE]

- ☐ **90:** Hashimoto M, Hsu LJ, Xia Y, Takeda A, Sisk A, Sundsmo M, Masliah E. Related Articles, C

Oxidative stress induces amyloid-like aggregate formation of NACP/alpha-sy
Neuroreport. 1999 Mar 17;10(4):717-21.

PMID: 10208537 [PubMed - indexed for MEDLINE]

- ☐ **91:** El-Agnaf OM, Jakes R, Curran MD, Middleton D, Ingenito R, Bianchi E, Pessi A, Neill D, Wallace A. Rel:

Aggregates from mutant and wild-type alpha-synuclein proteins and NAC pe
death in human neuroblastoma cells by formation of beta-sheet and amyloid-
FEBS Lett. 1998 Nov 27;440(1-2):71-5.

PMID: 9862428 [PubMed - indexed for MEDLINE]

- ☐ **92:** El-Agnaf OM, Jakes R, Curran MD, Wallace A. Related Articles, C

Effects of the mutations Ala30 to Pro and Ala53 to Thr on the physical and n
alpha-synuclein protein implicated in Parkinson's disease.

FEBS Lett. 1998 Nov 27;440(1-2):67-70.

PMID: 9862427 [PubMed - indexed for MEDLINE]

- ☐ **93:** Liu Y, Schubert D. Rel:

Steroid hormones block amyloid fibril-induced 3-(4,5-dimethylthiazol-2-yl)-
bromide (MTT) formazan exocytosis: relationship to neurotoxicity.

J Neurochem. 1998 Dec;71(6):2322-9.

PMID: 9832130 [PubMed - indexed for MEDLINE]

- ☐ **94:** Wakabayashi K, Hayashi S, Kakita A, Yamada M, Toyoshima Y, Yoshimoto M, Takahashi H. Rel:

Accumulation of alpha-synuclein/NACP is a cytopathological feature commc
and multiple system atrophy.

Acta Neuropathol (Berl). 1998 Nov;96(5):445-52.

PMID: 9829807 [PubMed - indexed for MEDLINE]

- ☐ **95:** Arima K, Ueda K, Sunohara N, Arakawa K, Hirai S, Nakamura M, Tonozuka-Uehara H, Kawai M. Rel:
NACP/alpha-synuclein immunoreactivity in fibrillary components of neuronal cytoplasmic inclusions in the pontine nuclei in multiple system atrophy.
Acta Neuropathol (Berl). 1998 Nov;96(5):439-44.
PMID: 9829806 [PubMed - indexed for MEDLINE]
- ☐ **96:** Lee JH, Shin HJ, Chang CS, Paik SR. Rel:
Comparisons of the NACP self-oligomerizations induced by Abeta25-35 in the dicyclohexylcarbodiimide and N-(ethoxycarbonyl)-2-ethoxy-1,2-dihydroquinone.
Neurochem Res. 1998 Nov;23(11):1427-34.
PMID: 9814554 [PubMed - indexed for MEDLINE]
- ☐ **97:** Lippa CF, Fujiwara H, Mann DM, Giasson B, Baba M, Schmidt ML, Nee LE, O'Connell B, Pollen DA, St George-Hyslop P, Ghetti B, Nochlin D, Bird TD, Cairns NJ, Lee VM, Iwatsubo T, Trojanowski JQ. Related Articles, C
Lewy bodies contain altered alpha-synuclein in brains of many familial Alzheimer's disease with mutations in presenilin and amyloid precursor protein genes.
Am J Pathol. 1998 Nov;153(5):1365-70.
PMID: 9811326 [PubMed - indexed for MEDLINE]
- ☐ **98:** Takeda A, Hashimoto M, Mallory M, Sundsumo M, Hansen L, Sisk A, Masliah E. Related Articles, C
Abnormal distribution of the non-Abeta component of Alzheimer's disease amyloid precursor/alpha-synuclein in Lewy body disease as revealed by proteinase K : pretreatment.
Lab Invest. 1998 Sep;78(9):1169-77.
PMID: 9759660 [PubMed - indexed for MEDLINE]
- ☐ **99:** Lavedan C. Related Articles, Domains, Nucleotide, Protein, C
The synuclein family.
Genome Res. 1998 Sep;8(9):871-80. Review.
PMID: 9750188 [PubMed - indexed for MEDLINE]
- ☐ **100:** Arawaka S, Saito Y, Murayama S, Mori H. Rel:
Lewy body in neurodegeneration with brain iron accumulation type 1 is immunoreactive for alpha-synuclein.
Neurology. 1998 Sep;51(3):887-9.
PMID: 9748051 [PubMed - indexed for MEDLINE]
- ☐ **101:** Hellman NE, Grant EA, Goate AM. Rel:
Failure to replicate a protective effect of allele 2 of NACP/alpha-synuclein polymorphism in late-onset Alzheimer's disease: an association study.
Ann Neurol. 1998 Aug;44(2):278-81.
PMID: 9708555 [PubMed - indexed for MEDLINE]
- ☐ **102:** Hashimoto M, Hsu LJ, Sisk A, Xia Y, Takeda A, Sundsmo M, Masliah E. Rel:
Human recombinant NACP/alpha-synuclein is aggregated and fibrillated in vivo in a mouse model of Alzheimer's disease.
Brain Res. 1998 Jul 20;799(2):301-6.

PMID: 9675319 [PubMed - indexed for MEDLINE]

- ☐ **103:** Hsu LJ, Mallory M, Xia Y, Veinbergs I, Hashimoto M, Yoshimoto M, Thal LJ, Saitoh T, Masliah E. Related Articles, Nucleotide, Protein, C

Expression pattern of synucleins (non-Abeta component of Alzheimer's disease protein/alpha-synuclein) during murine brain development.

J Neurochem. 1998 Jul;71(1):338-44.

PMID: 9648883 [PubMed - indexed for MEDLINE]

- ☐ **104:** Clayton DF, George JM. Related Articles, C

The synucleins: a family of proteins involved in synaptic function, plasticity, disease.

Trends Neurosci. 1998 Jun;21(6):249-54. Review.

PMID: 9641537 [PubMed - indexed for MEDLINE]

- ☐ **105:** Ishimaru H, Ueda K, Takahashi A, Maruyama Y. Rel:

Changes in presynaptic protein NACP/alpha-synuclein in an ischemic gerbil. Brain Res. 1998 Mar 30;788(1-2):311-4.

PMID: 9555070 [PubMed - indexed for MEDLINE]

- ☐ **106:** Wakabayashi K, Matsumoto K, Takayama K, Yoshimoto M, Takahashi H. Related Articles, C

NACP, a presynaptic protein, immunoreactivity in Lewy bodies in Parkinson. Neurosci Lett. 1997 Dec 12;239(1):45-8.

PMID: 9547168 [PubMed - indexed for MEDLINE]

- ☐ **107:** Takeda A, Mallory M, Sundsmo M, Honer W, Hansen L, Masliah E. Related Articles, C

Abnormal accumulation of NACP/alpha-synuclein in neurodegenerative disorders. Am J Pathol. 1998 Feb;152(2):367-72.

PMID: 9466562 [PubMed - indexed for MEDLINE]

- ☐ **108:** Paik SR, Lee JH, Kim DH, Chang CS, Kim YS. Related Articles, C

Self-oligomerization of NACP, the precursor protein of the non-amyloid beta component of Alzheimer's disease amyloid, observed in the presence of a C-terminal peptide (residues 25-35).

FEBS Lett. 1998 Jan 2;421(1):73-6.

PMID: 9462843 [PubMed - indexed for MEDLINE]

- ☐ **109:** Han H, Weinreb PH, Lansbury PT Jr. Related Articles, C

The core Alzheimer's peptide NAC forms amyloid fibrils which seed and are NAC a common trigger or target in neurodegenerative disease?

Chem Biol. 1995 Mar;2(3):163-9.

PMID: 9383418 [PubMed - indexed for MEDLINE]

- ☐ **110:** Nussbaum RL, Polymeropoulos MH. Related Articles, C

Genetics of Parkinson's disease.

Hum Mol Genet. 1997;6(10):1687-91. Review.

PMID: 9300660 [PubMed - indexed for MEDLINE]

- ☐ **111:** Hashimoto M, Yoshimoto M, Sisk A, Hsu LJ, Sundsmo M, Kittel A, Saitoh T, Miller A, Masliah E. Rel:
NACP, a synaptic protein involved in Alzheimer's disease, is differentially regulated during megakaryocyte differentiation.
Biochem Biophys Res Commun. 1997 Aug 28;237(3):611-6.
PMID: 9299413 [PubMed - indexed for MEDLINE]
- ☐ **112:** Paik SR, Lee JH, Kim DH, Chang CS, Kim J. Rel:
Aluminum-induced structural alterations of the precursor of the non-A beta component of Alzheimer's disease amyloid.
Arch Biochem Biophys. 1997 Aug 15;344(2):325-34.
PMID: 9264546 [PubMed - indexed for MEDLINE]
- ☐ **113:** Jensen PH, Hojrup P, Hager H, Nielsen MS, Jacobsen L, Olesen OF, Gliemann J, Jakes R. Rel:
Binding of Abeta to alpha- and beta-synucleins: identification of segments in the precursor that bind Abeta and NAC.
Biochem J. 1997 Apr 15;323 (Pt 2):539-46.
PMID: 9163350 [PubMed - indexed for MEDLINE]
- ☐ **114:** Withers GS, George JM, Banker GA, Clayton DF. Rel:
Delayed localization of synelfin (synuclein, NACP) to presynaptic terminals in cultured neurons.
Brain Res Dev Brain Res. 1997 Mar 17;99(1):87-94.
PMID: 9088569 [PubMed - indexed for MEDLINE]
- ☐ **115:** Kim J. Rel:
Evidence that the precursor protein of non-A beta component of Alzheimer's disease has an extended structure primarily composed of random-coil.
Mol Cells. 1997 Feb 28;7(1):78-83.
PMID: 9085269 [PubMed - indexed for MEDLINE]
- ☐ **116:** Weinreb PH, Zhen W, Poon AW, Conway KA, Lansbury PT Jr. Related Articles, C
NACP, a protein implicated in Alzheimer's disease and learning, is natively unfolded.
Biochemistry. 1996 Oct 29;35(43):13709-15.
PMID: 8901511 [PubMed - indexed for MEDLINE]
- ☐ **117:** Xia Y, Rohan de Silva HA, Rosi BL, Yamaoka LH, Rimmler JB, Pericak-Vance MA, Roses AD, Chen X, Masliah E, DeTeresa R, Iwai A, Sundsmo M, Thomas RG, Hofstetter CR, Gregory E, Hansen LA, Katzman R, Thal LJ, Saitoh T. Rel:
Genetic studies in Alzheimer's disease with an NACP/alpha-synuclein polymorphism.
Ann Neurol. 1996 Aug;40(2):207-15.
PMID: 8773602 [PubMed - indexed for MEDLINE]
- ☐ **118:** Irizarry MC, Kim TW, McNamara M, Tanzi RE, George JM, Clayton DF, Hyman BT. Rel:
Characterization of the precursor protein of the non-A beta component of senile plaques in human central nervous system.
J Neuropathol Exp Neurol. 1996 Aug;55(8):889-95.
PMID: 8759778 [PubMed - indexed for MEDLINE]
- ☐ **119:** Iwai A, Masliah E, Sundsmo MP, DeTeresa R, Mallory M, Salmon DP, Saitoh T. Rel:

The synaptic protein NACP is abnormally expressed during the progression of Alzheimer's disease.
Brain Res. 1996 May 13;720(1-2):230-4.
PMID: 8782917 [PubMed - indexed for MEDLINE]

- ☐ **120:** Masliah E, Iwai A, Mallory M, Ueda K, Saitoh T. Related Articles, Protein, C

Altered presynaptic protein NACP is associated with plaque formation and neurofibrillary pathology in Alzheimer's disease.

Am J Pathol. 1996 Jan;148(1):201-10.

PMID: 8546207 [PubMed - indexed for MEDLINE]

- ☐ **121:** Yoshimoto M, Iwai A, Kang D, Otero DA, Xia Y, Saitoh T. Related Articles, I

NACP, the precursor protein of the non-amyloid beta/A4 protein (A beta) component of Alzheimer's disease amyloid, binds A beta and stimulates A beta aggregation.

Proc Natl Acad Sci U S A. 1995 Sep 26;92(20):9141-5.

PMID: 7568089 [PubMed - indexed for MEDLINE]

- ☐ **122:** Jensen PH, Sorensen ES, Petersen TE, Gliemann J, Rasmussen LK. Related Articles, Protein, C

Residues in the synuclein consensus motif of the alpha-synuclein fragment, N-acetylated synuclein, are involved in transglutaminase-catalysed cross-linking to Alzheimer-disease amyloid beta.

Biochem J. 1995 Aug 15;310 (Pt 1):91-4.

PMID: 7646476 [PubMed - indexed for MEDLINE]

- ☐ **123:** Campion D, Martin C, Heilig R, Charbonnier F, Moreau V, Flaman JM, Petit JL, Hannequin D, Brice A, Frebourg T. Related Articles, Nucleotide, Protein, OMIM, C

The NACP/synuclein gene: chromosomal assignment and screening for altered expression in Alzheimer's disease.

Genomics. 1995 Mar 20;26(2):254-7.

PMID: 7601450 [PubMed - indexed for MEDLINE]

- ☐ **124:** Iwai A, Masliah E, Yoshimoto M, Ge N, Flanagan L, de Silva HA, Kittel A, Saitoh T. Related Articles, C

The precursor protein of non-A beta component of Alzheimer's disease amyloid is expressed in the central nervous system.

Neuron. 1995 Feb;14(2):467-75.

PMID: 7857654 [PubMed - indexed for MEDLINE]

- ☐ **125:** Shibasaki Y, Baillie DA, St Clair D, Brookes AJ. Related Ar

High-resolution mapping of SNCA encoding alpha-synuclein, the non-A beta component of Alzheimer's disease amyloid precursor, to human chromosome 4q21.3-->q22 by fluorescence in situ hybridization.

Cytogenet Cell Genet. 1995;71(1):54-5.

PMID: 7606927 [PubMed - indexed for MEDLINE]

- ☐ **126:** Ueda K, Saitoh T, Mori H. Related Articles, Nucleo

Tissue-dependent alternative splicing of mRNA for NACP, the precursor of non-amyloid beta component of Alzheimer's disease amyloid.

Biochem Biophys Res Commun. 1994 Dec 15;205(2):1366-72.

PMID: 7802671 [PubMed - indexed for MEDLINE]

- ☐ **127:** Brookes AJ, St Clair D. Rel:

Synuclein proteins and Alzheimer's disease.

Trends Neurosci. 1994 Oct;17(10):404-5. Review.

PMID: 7530877 [PubMed - indexed for MEDLINE]

- ☐ **128:** [Jakes R](#), [Spillantini MG](#), [Goedert M](#). Related Articles, Nucleotide, Protein, OMIM, C

Identification of two distinct synucleins from human brain.

FEBS Lett. 1994 May 23;345(1):27-32.

PMID: 8194594 [PubMed - indexed for MEDLINE]

- ☐ **129:** [Ueda K](#). Related Articles, Domains, Nucleotide, Protein, OMIM, Free in PMC, C

[Fukushima](#)[H, Masliah](#)[E, Xia Y,](#)[Iwai A,](#)[Yoshimoto](#)[M, Otero](#)[DA, Kondo](#)[J, Ihara Y,](#)[Saitoh T.](#)

Molecular cloning of cDNA encoding an unrecognized component of amyloi

Proc Natl Acad Sci U S A. 1993 Dec 1;90(23):11282-6.

PMID: 8248242 [PubMed - indexed for MEDLINE]

Display	Summary	▼	Sort	▼	Save	Text	Clip Add	Order
Show:	200	▼	Items 1-129 of 129					

[Write to the Help Desk](#)[NCBI](#) | [NLM](#) | [NIH](#)[Department of Health & Human Services](#)[Freedom of Information Act](#) | [Disclaimer](#)